PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

MFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2

Complete if Known					
Application Number	08/872,349				
Filing Date	June 10, 1997				
First Named Inventor	Michael C. Ryan				
Group Art Unit	2761				
Examiner Name	E. Cosimano				
Attorney Docket Number	7026320/6610				

				U.S. PATENT DOCU	IMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Docume Kind C Number (if kno	Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,488,153		Lange	12-11-84	
		5,204,819	\neg	-Ryan	04-20-93	
		5,359,522		Ryan	10=25-94	
		5,184,309	$\neg \neg$	Simpson, et al.	10-09-91	
		4,263,945	=	Van Ness	04-28-81	
		4,345,146	=	Story et al.	- 08-17- 82	
				•		6 7 11
			T			
					Ĭ.	7 P T
						o io m
			Ì			6 S E
			Ĩ			
			\neg			\$ · ·
			一			
			一		<u> </u>	12
		†				\$ 8 8
			寸			GAC
						に 多 治
						7 6 7

				FOR	EIGN PATENT DOCUMENT	`S	200	X
Examiner Initials*	Cite No.1	Office ³	Foreign Patent Docu	ment Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Pines, Where Relovint Passages or Spevant Figures Appear	T ⁶
		FR	2,600,318		CGA-HBS	12-24-87		
		JP.	57 032 144		Nippon Gakki Seizo			
		EP-	349 316	-	Analytical Ins. Lt	1. 01-03-90		\top
	-,	FR	2 518 285		Angewandte Dig. El	ek.06=17=83		T
		₽-	-0 040 544 -		Tag Radionics Ltd.	11-25-81		
		WO-	84/00869		Cornell Research F	in.03-01-84		
		EP-	0 204 542 —		Bertenshaw et al.	12-10-86		
	····	\sqcup						
		\sqcup			-			/-
		ıl				1		

Examiner	Date
Signature (OS/Mano, E.	Considered 10-25-98

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	-					
Please	type a	plus sign	(+) insid	de this	box	

APR 2 1

Sheet

PTO/SB/08B (10-96)
Approved Ter use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Ċ	Substitute for form 1449B/P	то			
	MFORMATIO STATEMENT		ISCL	OSU	RE
38	STATEMENT	BY	APP	LICA	NT
	.S/				

2 of

(use as many sheets as necessary)

2

Complete if Known 08/872,349 **Application Number Filing Date First Named Inventor** Michael C. Ryan 2761 Group Art Unit Cosimano **Examiner Name Attorney Docket Number** 7026320/6610

	,	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
			${\dagger}$
	H	GROUP 2700	3 -
		ROUN	
		10 p	179
		000	
	H		
	!		
		APR 24 98 GROUP 2600	K
	Н	2 ° d	F
		500 98	
			Г
	\vdash		\vdash

Examiner	Commons	Date	10 02 00
Signature	Cosimano, E.	Considered	10-25-98

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0551-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

NFORMATION DISCLOSURE TATEMENT BY APPLICANT

(use as many sheets as necessary)

of

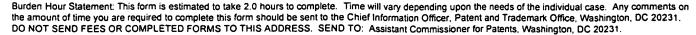
Cor	Complete if Known			
Application Number	08/872,349			
Filing Date	June 10, 1997			
First Named Inventor	Michael C. Ryan			
Group Art Unit	2761			
Examiner Name	E. Cosimano			
Attorney Docket Number	7026320/6610 ' -			

				U.S. PATENT DOCL	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Docume Kind C Number (if know	ode ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,488,153		Tange	12-11-84	
		5,204,819		Ryan	04-20-93	
		5,359,522		Ryan	10-25-94	
		5, 184,309		Simpson, et al.	10-09-91	
		4,263,945		Van Ness	04-28-81	
		-4,345,146		Story et al.	08-17-82	
L						
L						
			_			
ļ						
ļ						
ļ						
			_			
			ļ			
ļ			_			
ļļ			ļ			
 					<u> </u>	
				* · · · · · · · · · · · · · · · · · · ·		
					<u> </u>	

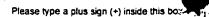
				FOR	EIGN PATENT DOCUMENT	S		
Examiner	Cite		Foreign Patent Docu		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	Π
Initials	No 1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	1e
		FR	2,600,318		CGA-HBS	12-24-87		
		JP-	-57-032-144-		Nippon Gakki Seizo			Π
			349 316		Analytical Ins. Lt			
		FR	2 518 285			ek.06-17-83		
		EP	0 040 544		Tag Radionics Ltd.	11-25-81		L
		WO 	84/00869		Cornell Research F	ln.03-01-84		<u> </u>
			0 204 542 _		Bertenshaw et al.	12-10-86		辶
		╀				ļ	70 75	<u> </u>
		┝╼╌┝		\rightarrow				13
						<u> </u>	<u> </u>	[]

Examiner		Date	0	=	m
Signature	Cosimano, E.	Considered	10/25/980	ç	0

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08B (10-98)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449B/PTO **Application Number** 08/872,349 INFORMATION DISCLOSURE June 10, 1997 Filing Date STATEMENT BY APPLICANT First Named Inventor <u>Michael C. Rvan</u>

> (use as many sheets as necessary) of

2

2

Group Art Unit 2761 **Examiner Name** E. Cosimano Attorney Docket Number 7026320/6610

<u> 100 </u>					
Executives Infrares	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
					
<u></u>					
		Enter Cite No.1			

	· · · · · · · · · · · · · · · · · · ·		
Examiner		Date .	
_	1 oction and I	1 10 00 00	0
Signature	Cosimano, E.	Considered 10-25-9	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.